

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU2004/001248

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: C12Q 1/68 C12N 15/11 C12N 15/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

SEE ELECTRONIC DATABASES

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SEE ELECTRONIC DATABASES

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

Medline, CaPlus, Biosis, WPIDS (migrane, migraine, hormone, estrogen, oestrogen, ESR1, progesterone, Progens, PgR, receptor)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Donaldson, C.J. <i>et al.</i> 2002. PROGINS Alu insertion and human genomic diversity. Mutation Research. 501:137-141. See whole document especially p138.	14, 17
X	Curran, J.E. <i>et al.</i> 2001. Association of estrogen receptor and glucocorticoid receptor gene polymorphisms with sporadic breast cancer. International Journal of Cancer. 95:271-275. See whole document especially Abstract and p.272.	14-16
A	Peroutka, S.J. 2002. Sympathetic look at genetic basis of migraine. Headache. 42:378-381. See whole document.	1-22

☒ Further documents are listed in the continuation of Box C

☐ See patent family annex

* Special categories of cited documents:
 "A" document defining the general state of the art which is not considered to be of particular relevance
 "E" earlier application or patent but published on or after the international filing date
 "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
 "O" document referring to an oral disclosure, use, exhibition or other means
 "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
 "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
 "&" document member of the same patent family

Date of the actual completion of the international search
21 October 2004

Date of mailing of the international search report

28 OCT 2004

Name and mailing address of the ISA/AU

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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.: 14-20 partially
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
These claims are directed to "kits for identifying a predisposition to migraine for use in the" applicant's method. The phrase "for use" does not limit the kit to being used in the applicant's method. In some jurisdictions these claims are merely directed to primers used to amplify a female steroid sex hormone. However the international search has been carried out as if the kit were limited to being used in the applicant's method ie the phrase "for use" being substituted by the phrase "when used" for searching purposes. Consequently the full scope of these claims have not been searched.
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	Gardner, K. 1999. The genetic basis of migraine: How much do we know? Canadian Journal of Neurological Sciences. 26(Suppl. 3):S37-S43. See whole document.	1-22
A	MacGregor, E.A. 1997. Menstruation, sex hormones, and migraine. Neurologic Clinics. 15(1):125-141. See whole document.	1-22
A	Terwindt, G.M. <i>et al.</i> 1997. The quest for migraine genes. Current Opinion in Neurology. 10:221-225. See whole document.	1-22
T	Colson, N.J. <i>et al.</i> 7 May 2004. The estrogen receptor 1 G594A polymorphism is associated with migraine susceptibility in two independent case/control groups. Neurogenetics. 5:129-133. See whole document.	1-22